

**IN THE CLAIMS:**

Please amend claim 1 and 16 as follows:

Claim 1. (Five Times Amended) A biodegradable and bioactive composite material for surgical osteosynthesis applications comprising: i) at least one resorbable polymeric matrix component, ii) at least one fibrillated reinforcing component and iii) at least one bioceramic or bioglass reinforcing component mixed with said matrix component.

Claim 16. (Five Times Amended) A biodegradable and bioactive composite material for surgical osteosynthesis applications comprising: i) at least one resorbable polymeric matrix component, ii) at least one fibrillated resorbable polymeric reinforcing component in fiber form, and iii) at least one bioceramic or bioglass reinforcing component mixed with said matrix component, the diameter of the oriented resorbable polymeric reinforcing component being greater than the diameter or particle size of the bioceramic or bioglass reinforcing component.